

Sub A17

A power saving operation control method and a power saving operation control device for a phase comparator unit are provided. A power saving operation control circuit of the present invention includes: a reference signal frequency dividing unit which divides the frequency of a reference signal to generate a reference frequency divided signal; a comparison signal frequency unit which divides an input signal to generate a comparison frequency divided signal; a phase comparator which compares the phases of the reference frequency divided signal and the comparison frequency divided signal; a canceling signal generator which generates a power saving state canceling signal in accordance with the reference frequency divided signal and the comparison frequency divided signal; a first initializing signal generator which generates a first initializing signal for initializing the reference signal frequency dividing unit in accordance with the power saving state canceling signal; and a second initializing signal generator which generates a second initializing signal for initializing the comparison signal frequency dividing unit in accordance with the power saving state canceling signal.